

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070198.D
 Acq On : 18 Dec 2021 6:40
 Operator : JC/MD
 Sample : M5115-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 07:24:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

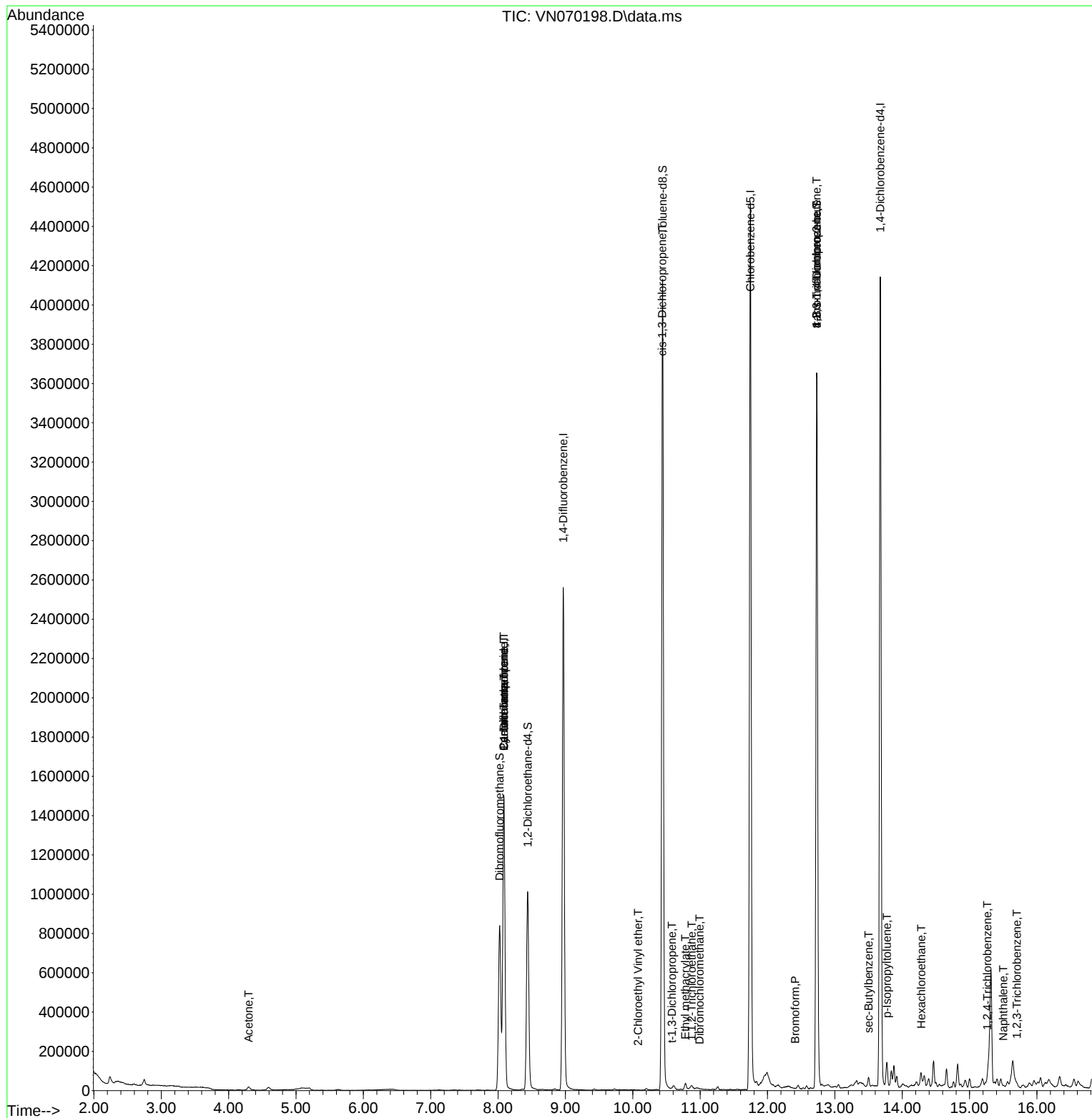
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1106930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2119325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2535156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1087841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	881944	51.603	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	103.200%
35) Dibromofluoromethane	8.024	113	624479	47.042	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.080%
50) Toluene-d8	10.443	98	2821794	52.938	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	105.880%
62) 4-Bromofluorobenzene	12.731	95	1289577	66.780	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	133.560%
Target Compounds						Qvalue
16) Acetone	4.296	43	29087	2.829	ug/l	93
31) Cyclohexane	8.086	56	27185	1.143	ug/l #	15
36) 1,1-Dichloropropene	8.086	75	91474	4.534	ug/l #	49
38) Carbon Tetrachloride	8.086	117	113091	5.716	ug/l #	16
53) t-1,3-Dichloropropene	10.580	75	27	2.795	ug/l #	1
54) cis-1,3-Dichloropropene	10.435	75	487	2.017	ug/l #	1
55) 1,1,2-Trichloroethane	10.875	97	3899	0.257	ug/l #	15
56) Ethyl methacrylate	10.778	69	1770	2.338	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.081	63	122	18.403	ug/l #	45
60) Dibromochloromethane	10.993	129	168	2.386	ug/l	75
71) Bromoform	12.409	173	422	2.757	ug/l #	29
76) 1,2,3-Trichloropropane	12.731	75	705473	22.614	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	705473	72.061	ug/l #	5
85) sec-Butylbenzene	13.501	105	33218	0.355	ug/l	99
86) p-Isopropyltoluene	13.771	119	63696	0.871	ug/l	96
90) Hexachloroethane	14.281	117	25731	2.004	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.263	180	248	2.891	ug/l #	1
95) Naphthalene	15.501	128	6053	4.090	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.702	180	661	2.472	ug/l #	70

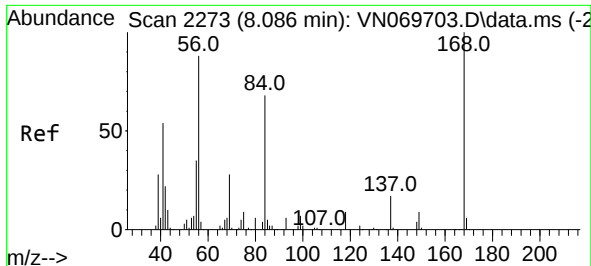
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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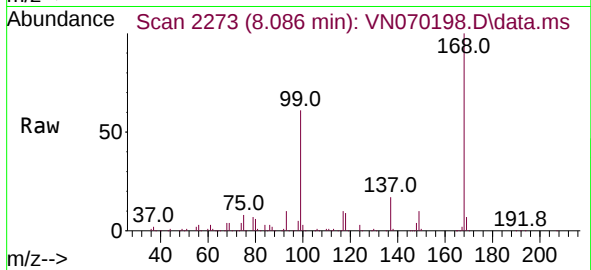
Quant Time: Dec 19 07:24:47 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
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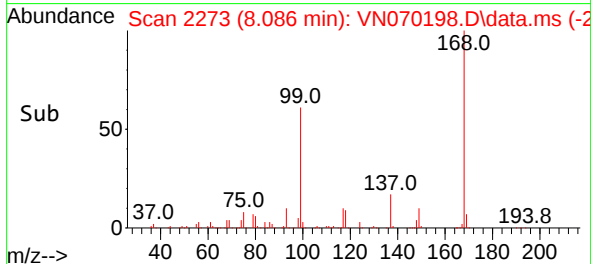
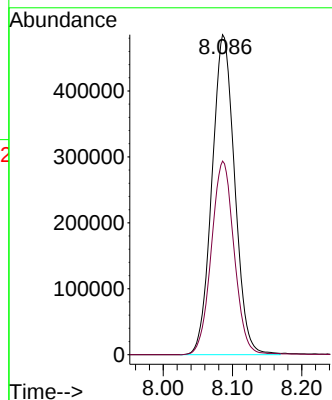


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

Instrument :
MSVOA_N
ClientSampleId :

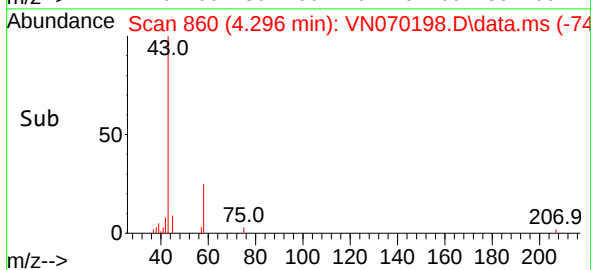
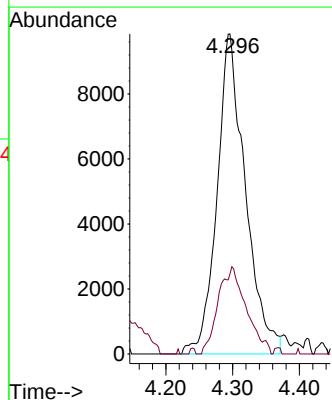
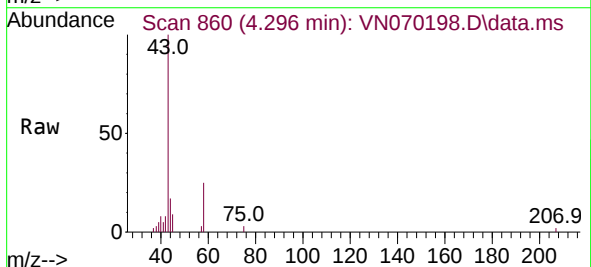


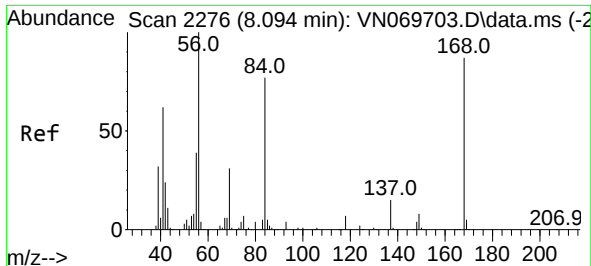
Tgt Ion:168 Resp: 1106930
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9



#16
Acetone
Concen: 2.829 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.006 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

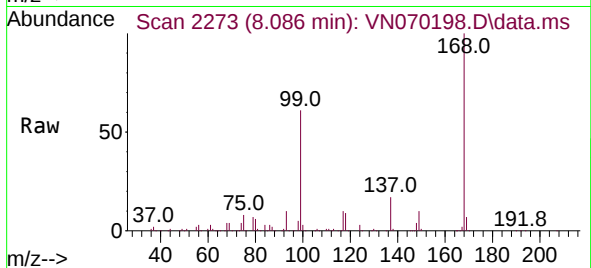
Tgt Ion: 43 Resp: 29087
Ion Ratio Lower Upper
43 100
58 25.0 23.1 34.7



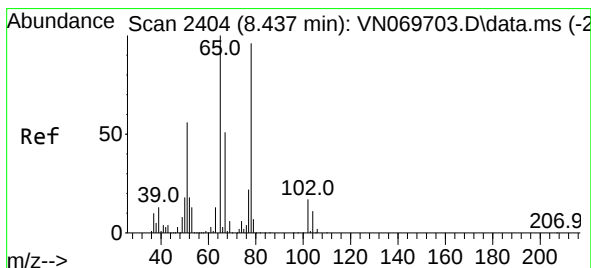
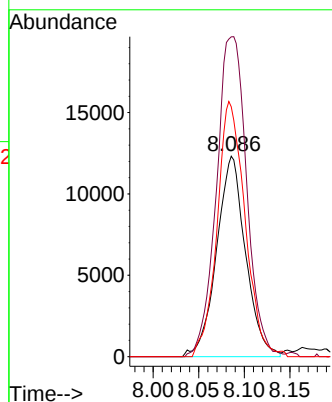
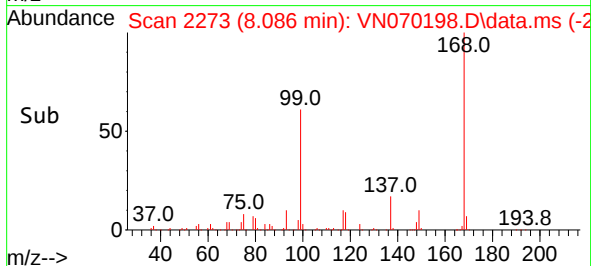


#31
Cyclohexane
Concen: 1.143 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

Instrument :
MSVOA_N
ClientSampleId :

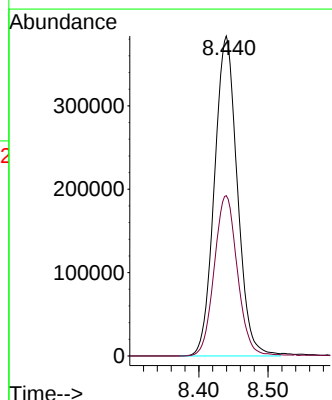
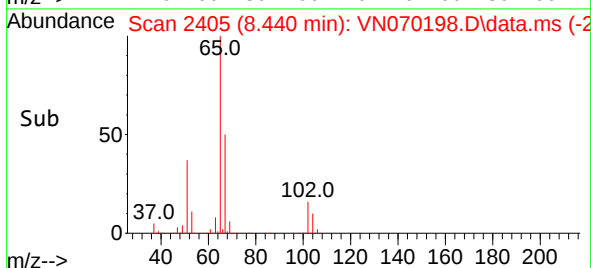
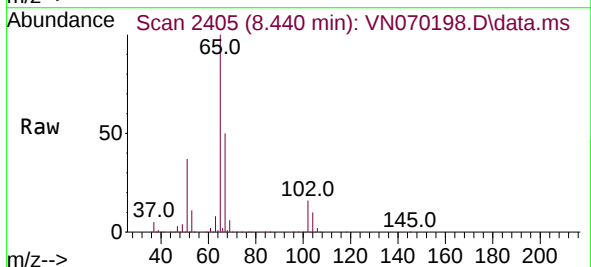


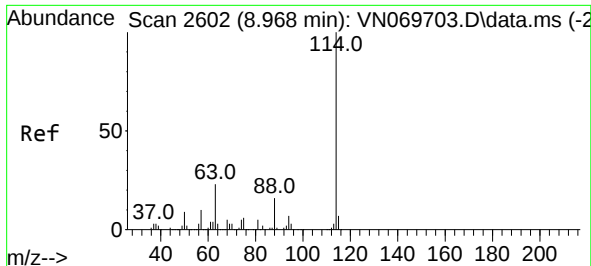
Tgt Ion: 56 Resp: 27185
Ion Ratio Lower Upper
56 100
69 159.6 27.1 40.7#
84 124.7 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 51.603 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

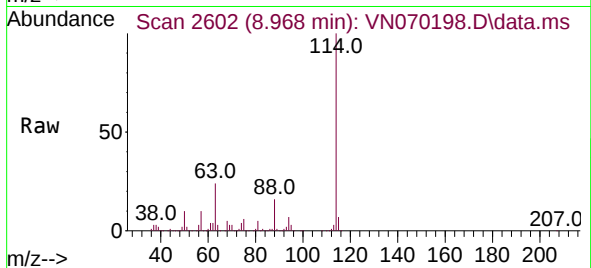
Tgt Ion: 65 Resp: 881944
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0



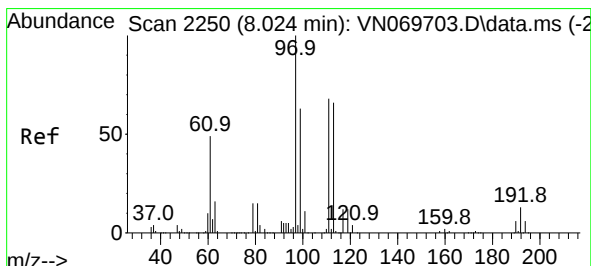
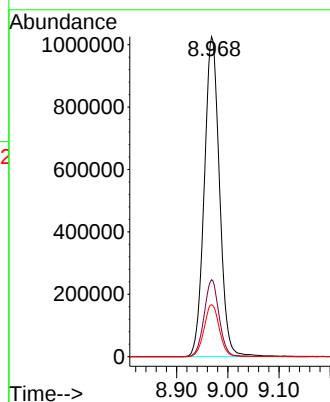
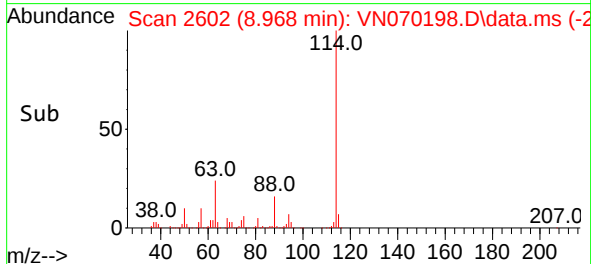


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

Instrument :
MSVOA_N
ClientSampleId :

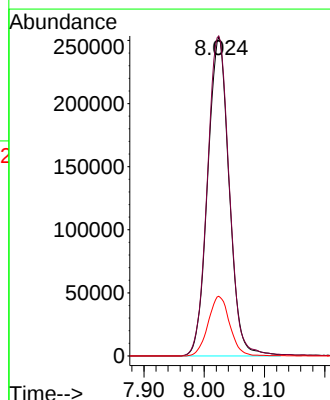
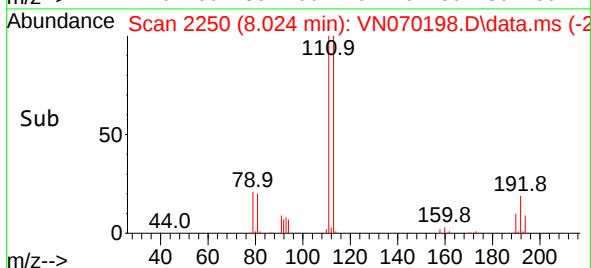
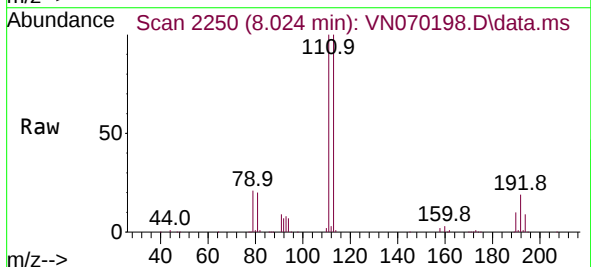


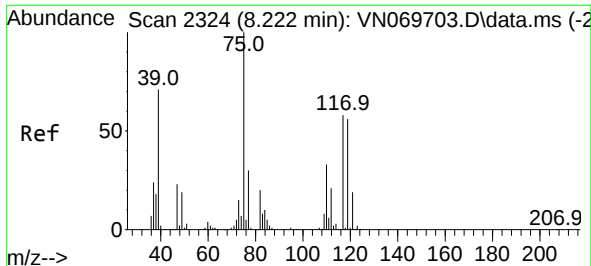
Tgt Ion:114 Resp: 2119325
Ion Ratio Lower Upper
114 100
63 24.0 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 47.042 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

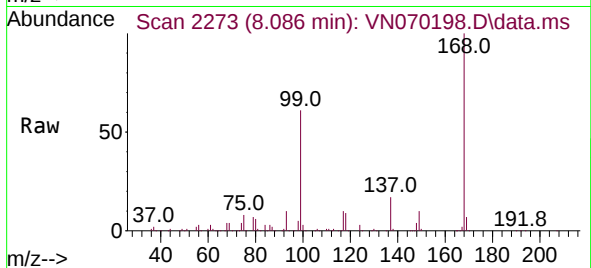
Tgt Ion:113 Resp: 624479
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 18.9 16.9 25.3



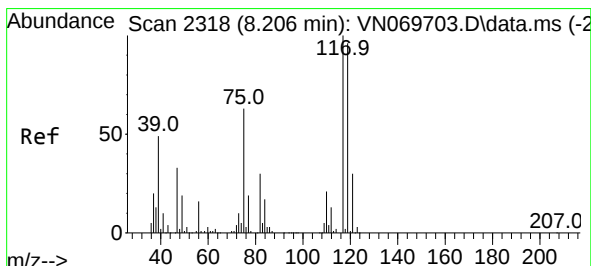
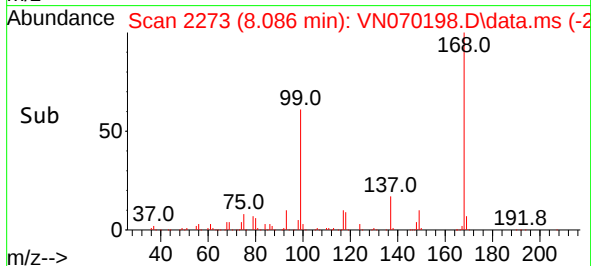
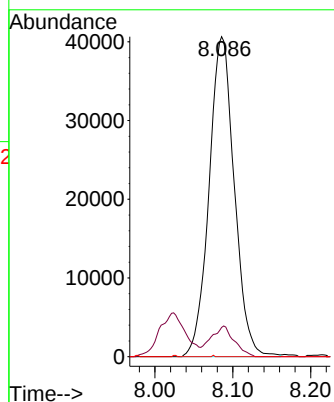


#36
1,1-Dichloropropene
Concen: 4.534 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.137 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

Instrument :
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ClientSampleId :

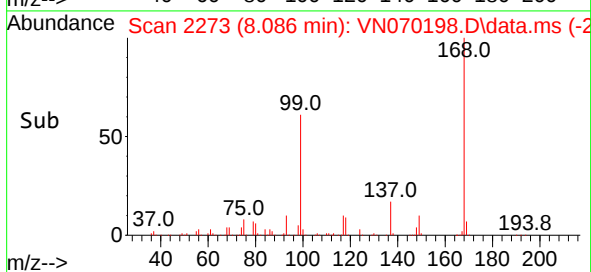
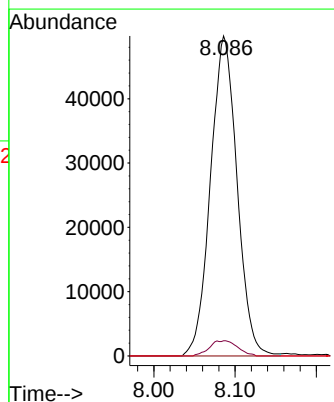
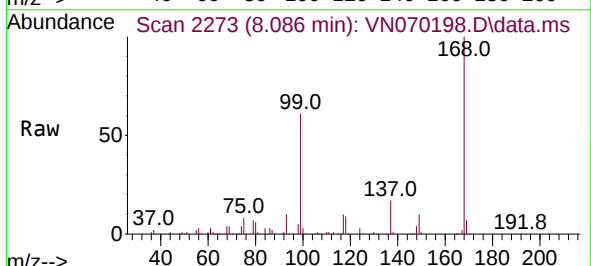


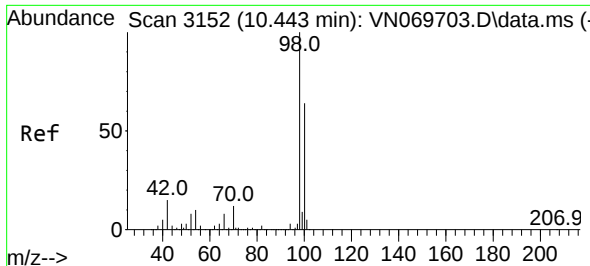
Tgt Ion: 75 Resp: 91474
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.716 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.121 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

Tgt Ion: 117 Resp: 113091
Ion Ratio Lower Upper
117 100
119 4.7 76.1 114.1#
121 0.0 24.2 36.2#

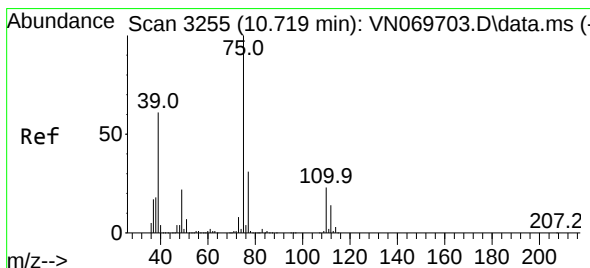
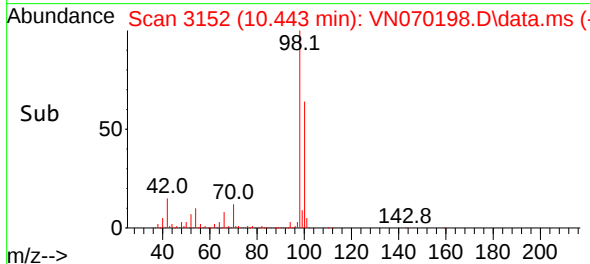
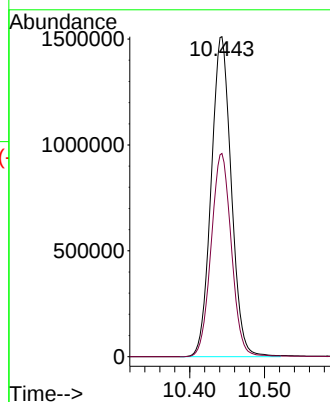
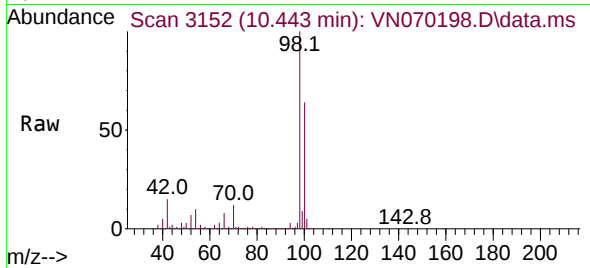




#50
Toluene-d8
Concen: 52.938 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

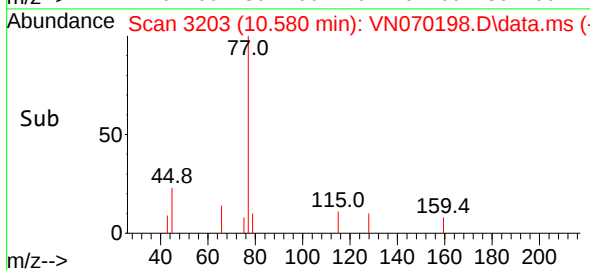
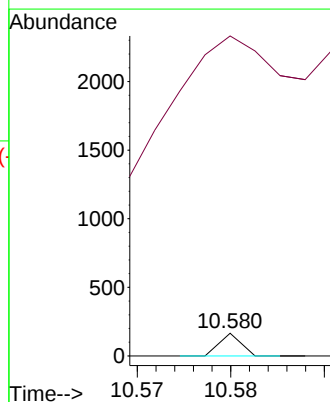
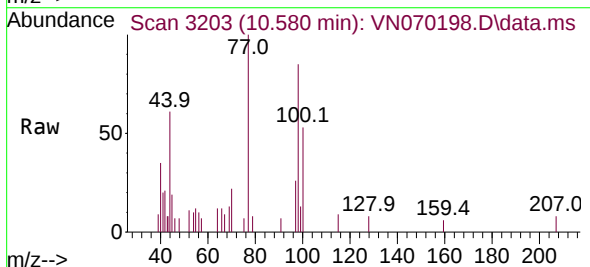
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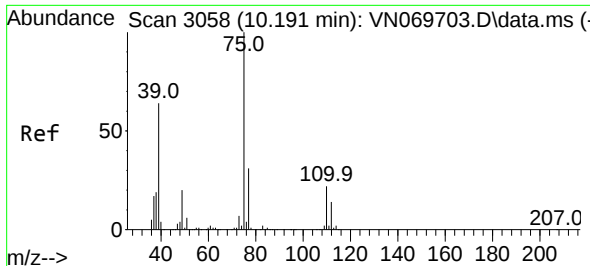
Tgt Ion: 98 Resp: 2821794
Ion Ratio Lower Upper
98 100
100 64.2 50.4 75.6



#53
t-1,3-Dichloropropene
Concen: 2.795 ug/l
RT: 10.580 min Scan# 3203
Delta R.T. -0.139 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

Tgt Ion: 75 Resp: 27
Ion Ratio Lower Upper
75 100
77 241.6 25.6 38.4#

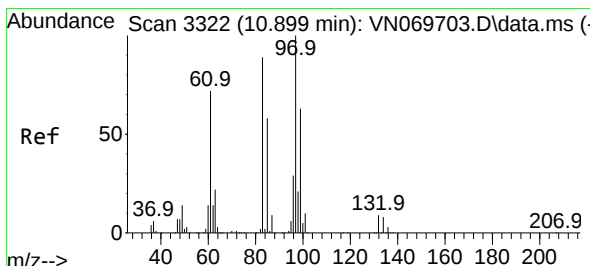
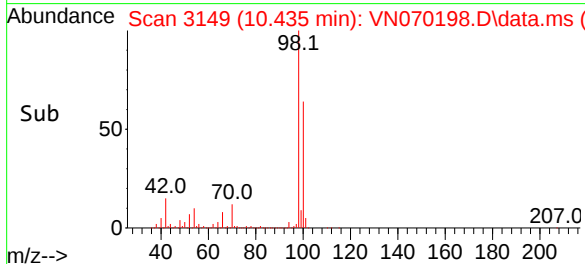
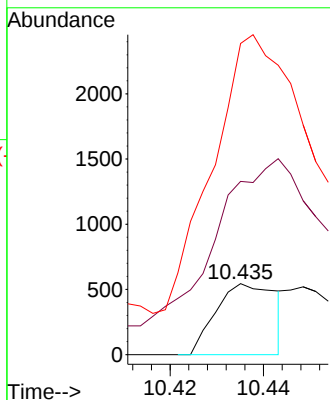
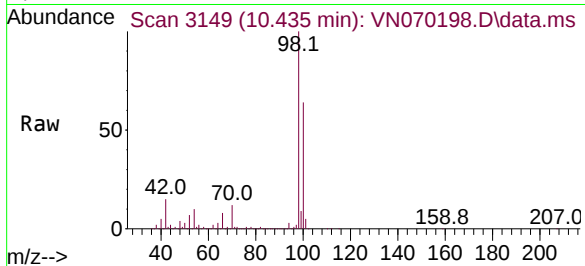




#54
 cis-1,3-Dichloropropene
 Concen: 2.017 ug/l
 RT: 10.435 min Scan# 3149
 Delta R.T. 0.244 min
 Lab File: VN070198.D
 Acq: 18 Dec 2021 6:40

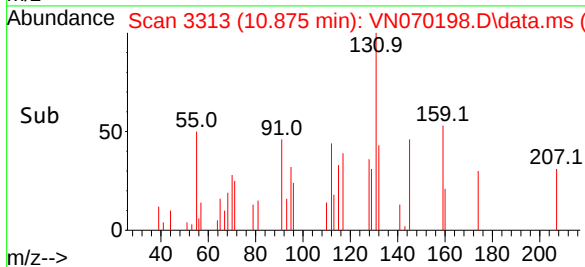
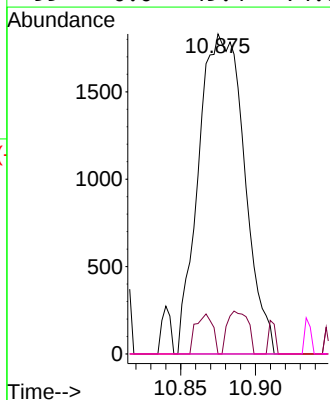
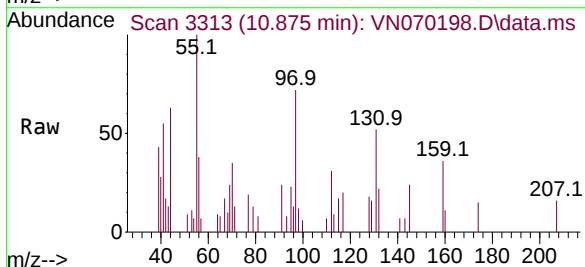
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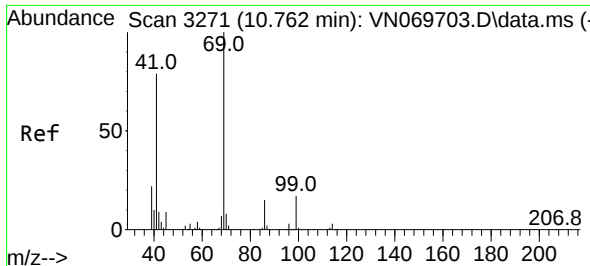
Tgt Ion: 75 Resp: 487
 Ion Ratio Lower Upper
 75 100
 77 164.6 26.4 39.6#
 39 322.8 42.5 63.7#



#55
 1,1,2-Trichloroethane
 Concen: 0.257 ug/l
 RT: 10.875 min Scan# 3313
 Delta R.T. -0.024 min
 Lab File: VN070198.D
 Acq: 18 Dec 2021 6:40

Tgt Ion: 97 Resp: 3899
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.8 101.6#
 85 0.0 45.4 68.2#
 99 0.0 49.4 74.0#

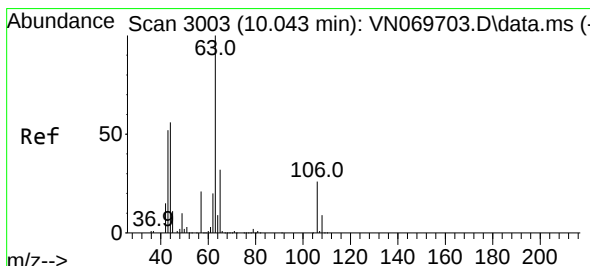
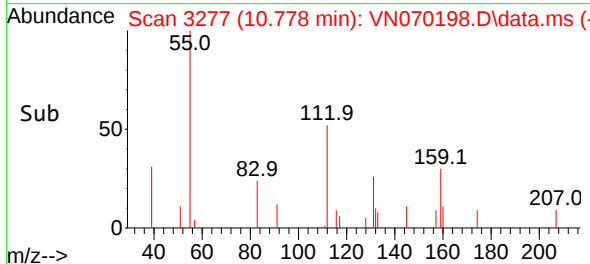
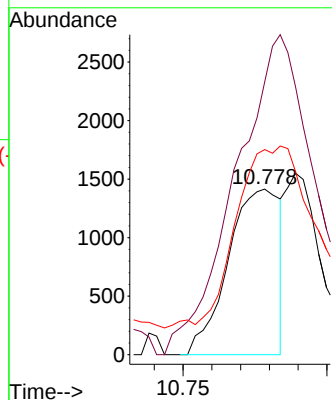
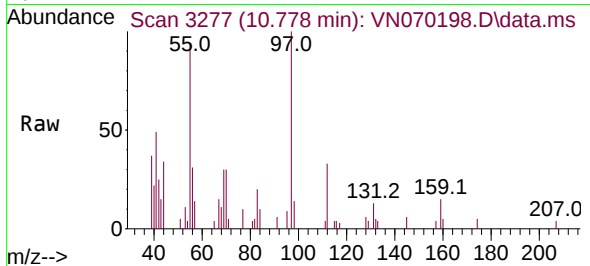




#56
Ethyl methacrylate
Concen: 2.338 ug/l
RT: 10.778 min Scan# 3017
Delta R.T. 0.016 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

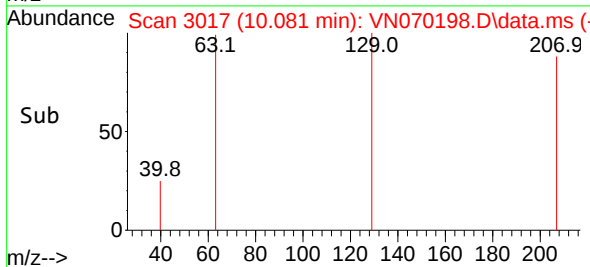
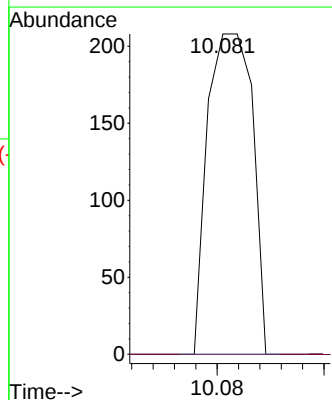
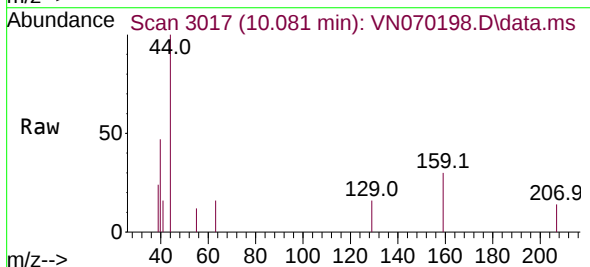
Instrument :
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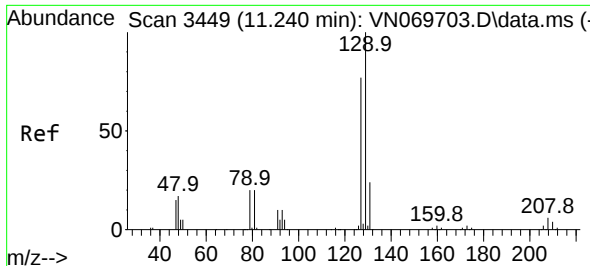
Tgt Ion: 69 Resp: 1770
Ion Ratio Lower Upper
69 100
41 302.3 51.4 77.0#
39 162.3 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 18.403 ug/l
RT: 10.081 min Scan# 3017
Delta R.T. 0.038 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

Tgt Ion: 63 Resp: 122
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

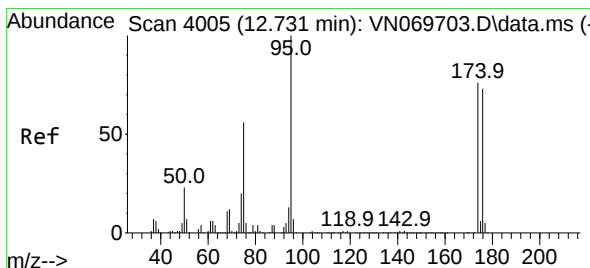
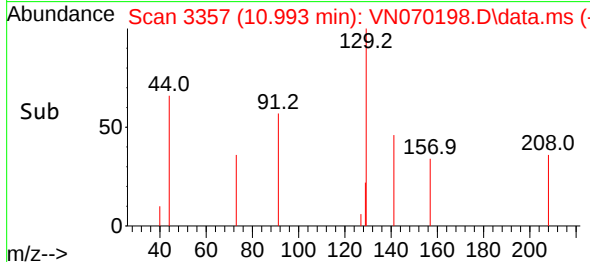
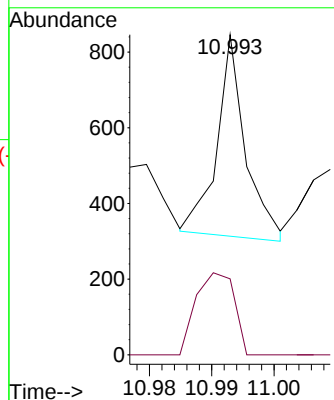
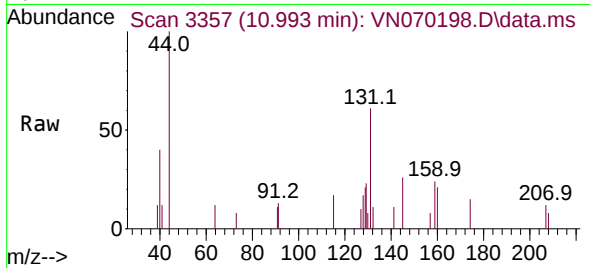




#60
Dibromochloromethane
Concen: 2.386 ug/l
RT: 10.993 min Scan# 31
Delta R.T. -0.247 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

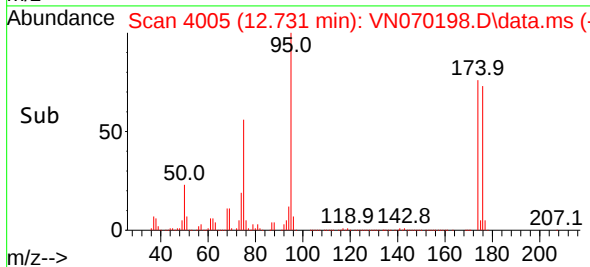
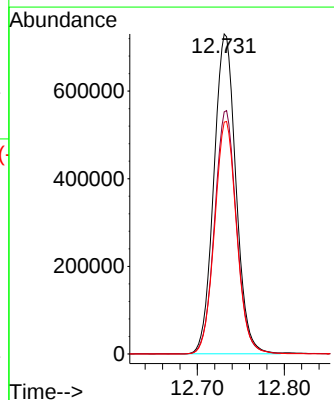
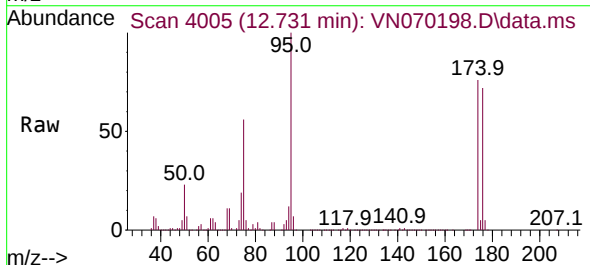
Instrument :
MSVOA_N
ClientSampleId :

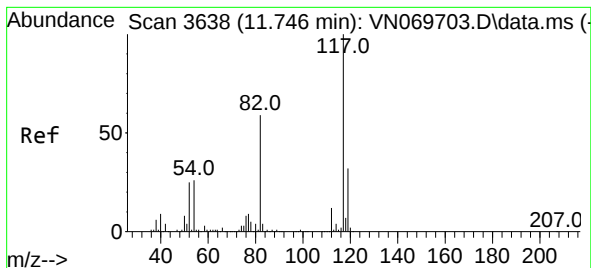
Tgt Ion:129 Resp: 168
Ion Ratio Lower Upper
129 100
127 55.4 38.6 116.0



#62
4-Bromofluorobenzene
Concen: 66.780 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

Tgt Ion: 95 Resp: 1289577
Ion Ratio Lower Upper
95 100
174 75.6 0.0 187.2
176 72.6 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.747 min Scan# 3

Delta R.T. 0.001 min

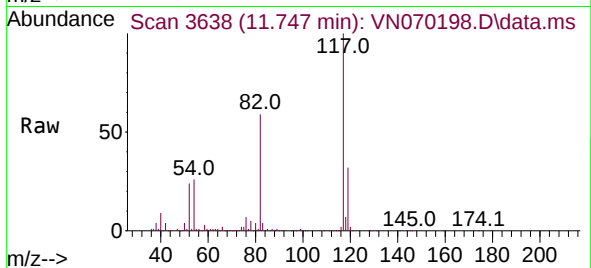
Lab File: VN070198.D

Acq: 18 Dec 2021 6:40

Instrument :

MSVOA_N

ClientSampleId :



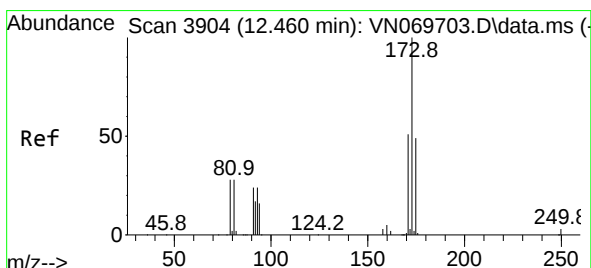
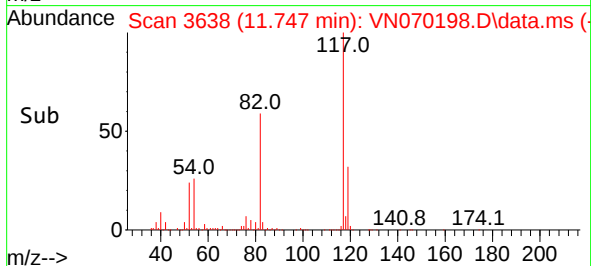
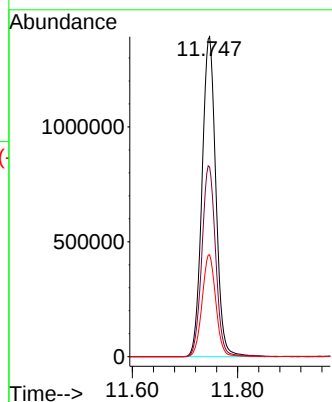
Tgt Ion:117 Resp: 2535156

Ion Ratio Lower Upper

117 100

82 59.3 42.4 63.6

119 31.9 25.4 38.2



#71

Bromoform

Concen: 2.757 ug/l

RT: 12.409 min Scan# 3885

Delta R.T. -0.051 min

Lab File: VN070198.D

Acq: 18 Dec 2021 6:40

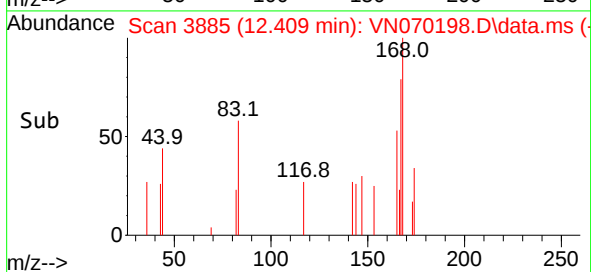
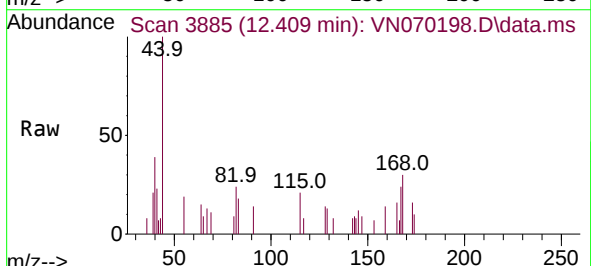
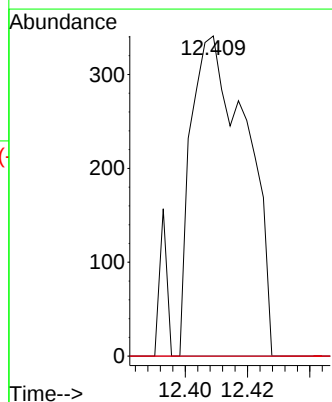
Tgt Ion:173 Resp: 422

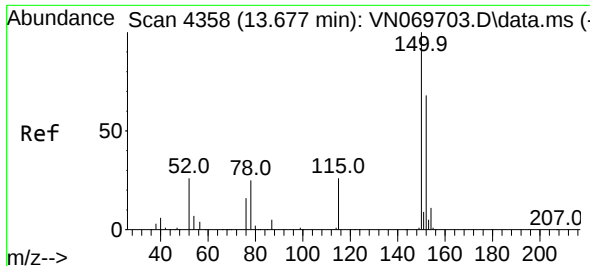
Ion Ratio Lower Upper

173 100

175 0.0 24.2 72.6#

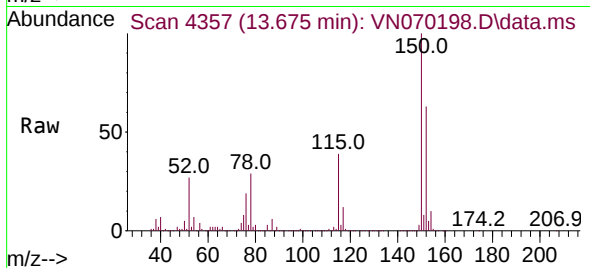
254 0.0 0.0 0.0



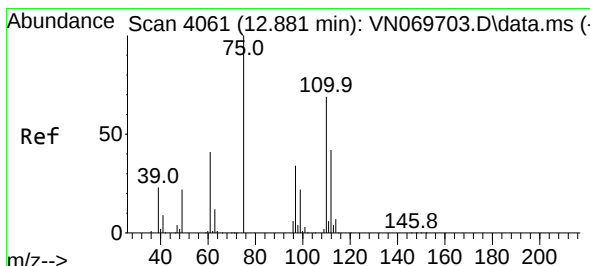
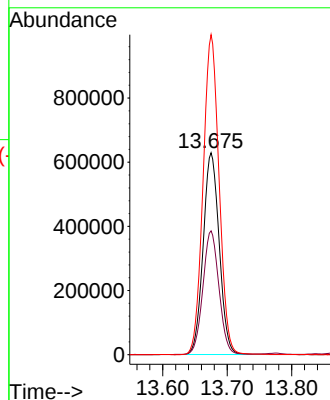
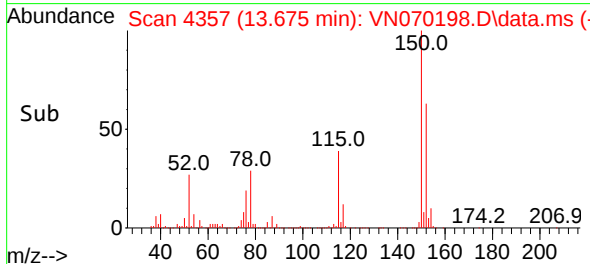


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VN070198.D
 Acq: 18 Dec 2021 6:40

Instrument :
 MSVOA_N
 ClientSampleId :

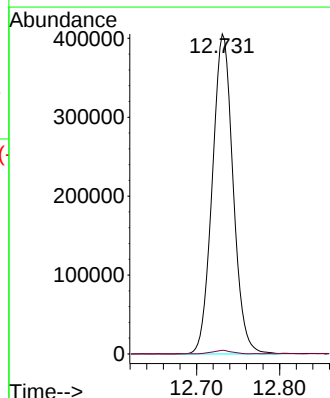
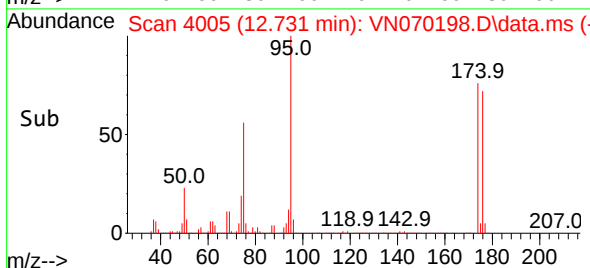
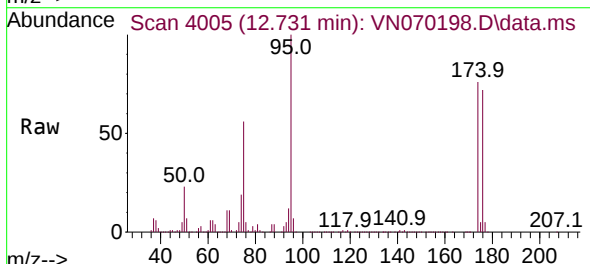


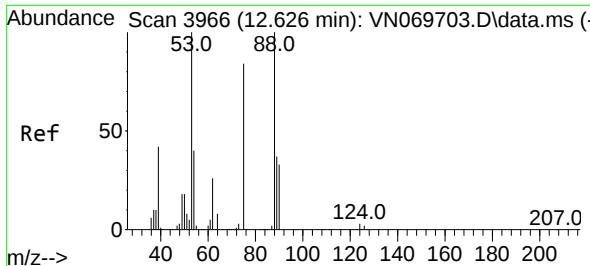
Tgt Ion:152 Resp: 1087841
 Ion Ratio Lower Upper
 152 100
 115 61.1 27.5 82.5
 150 157.9 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 22.614 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.150 min
 Lab File: VN070198.D
 Acq: 18 Dec 2021 6:40

Tgt Ion: 75 Resp: 705473
 Ion Ratio Lower Upper
 75 100
 77 1.0 82.6 247.8#

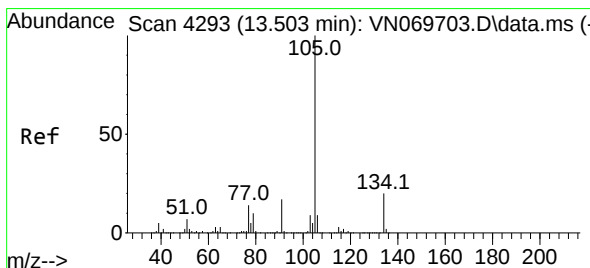
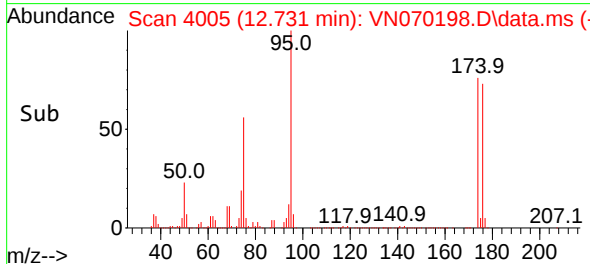
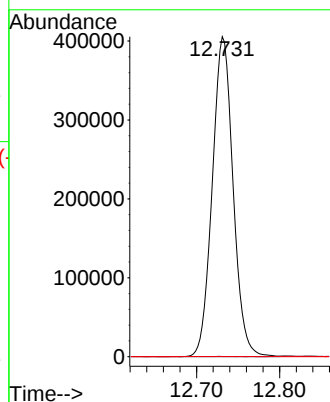
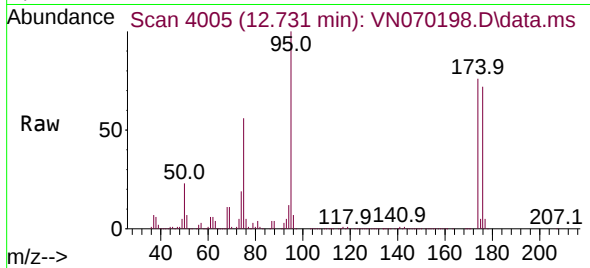




#81
trans-1,4-Dichloro-2-butene
Concen: 72.061 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

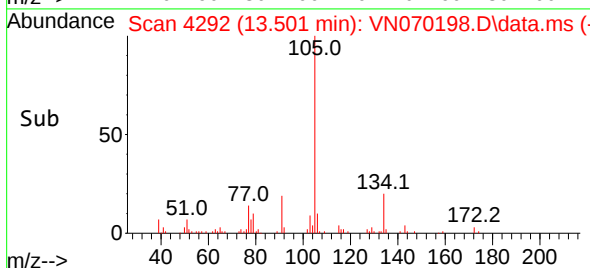
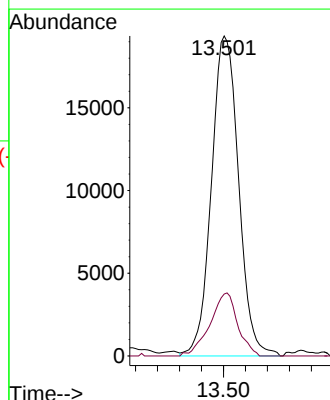
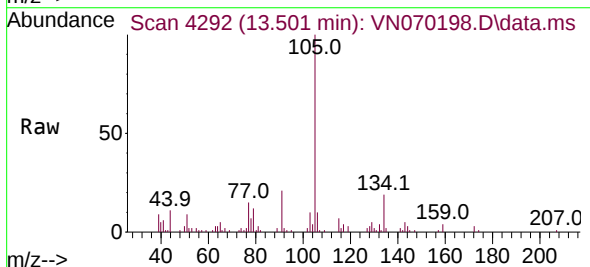
Instrument :
MSVOA_N
ClientSampleId :

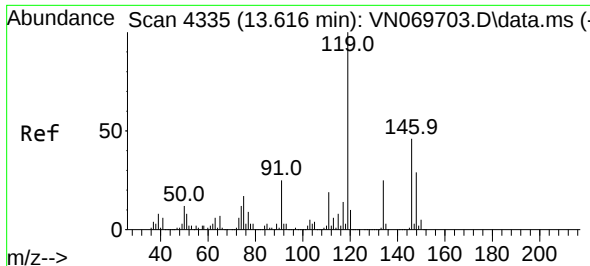
Tgt Ion: 75 Resp: 705473
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#85
sec-Butylbenzene
Concen: 0.355 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. -0.003 min
Lab File: VN070198.D
Acq: 18 Dec 2021 6:40

Tgt Ion: 105 Resp: 33218
Ion Ratio Lower Upper
105 100
134 20.0 10.4 31.1

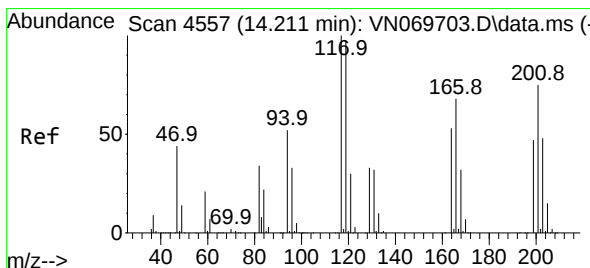
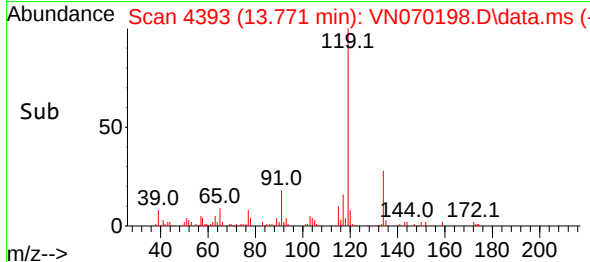
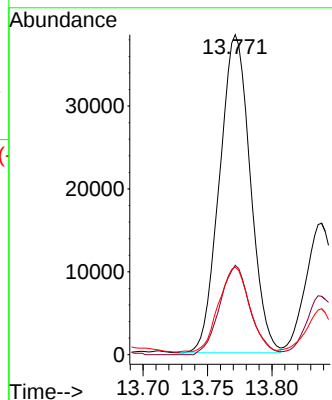
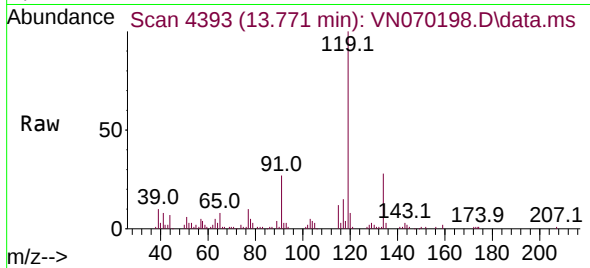




#86
 p-Isopropyltoluene
 Concen: 0.871 ug/l
 RT: 13.771 min Scan# 41
 Delta R.T. 0.156 min
 Lab File: VN070198.D
 Acq: 18 Dec 2021 6:40

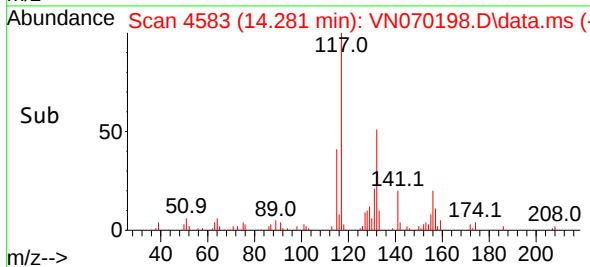
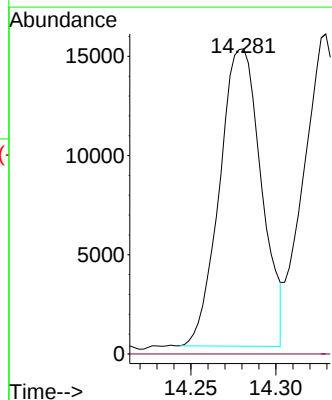
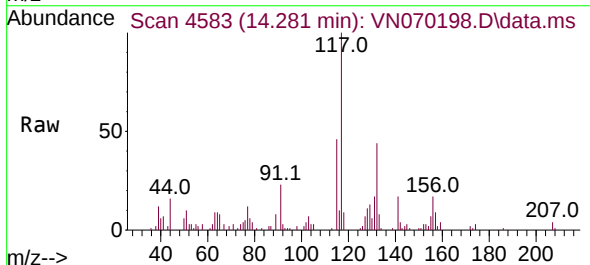
Instrument :
 MSVOA_N
 ClientSampleId :

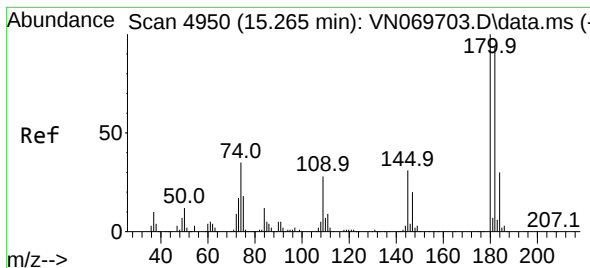
Tgt Ion:119 Resp: 63696
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.6 40.7
 91 26.7 11.4 34.1



#90
 Hexachloroethane
 Concen: 2.004 ug/l
 RT: 14.281 min Scan# 4583
 Delta R.T. 0.070 min
 Lab File: VN070198.D
 Acq: 18 Dec 2021 6:40

Tgt Ion:117 Resp: 25731
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.9 131.6#





#93

1,2,4-Trichlorobenzene

Concen: 2.891 ug/l

RT: 15.263 min Scan# 4950

Delta R.T. -0.002 min

Lab File: VN070198.D

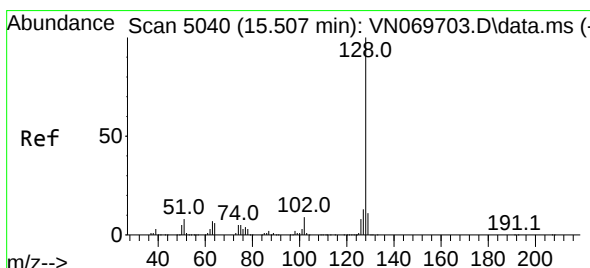
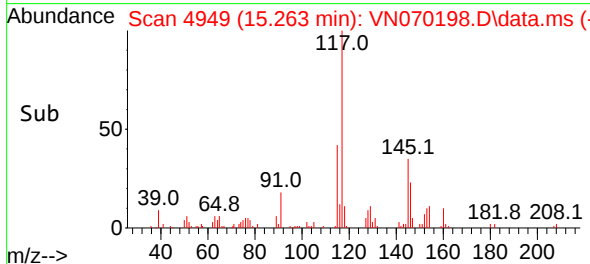
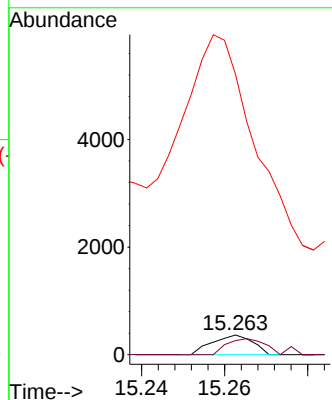
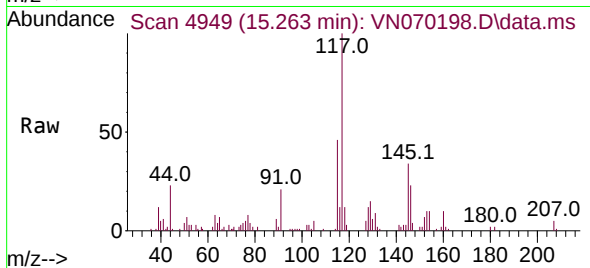
Acq: 18 Dec 2021 6:40

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:180 Resp: 248
 Ion Ratio Lower Upper
 180 100
 182 85.5 48.3 144.9
 145 3560.5 14.5 43.5#



#95

Naphthalene

Concen: 4.090 ug/l

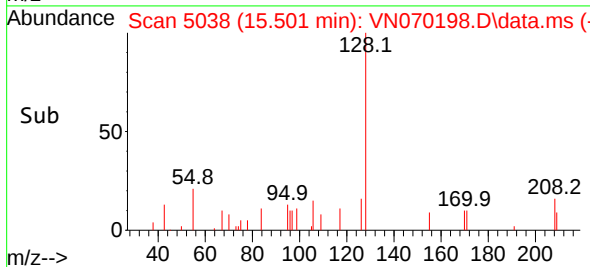
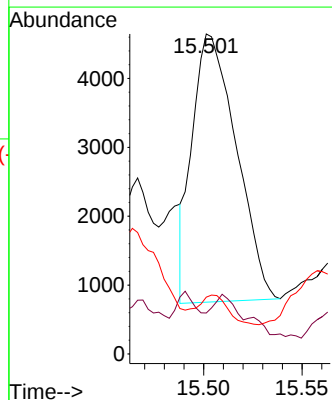
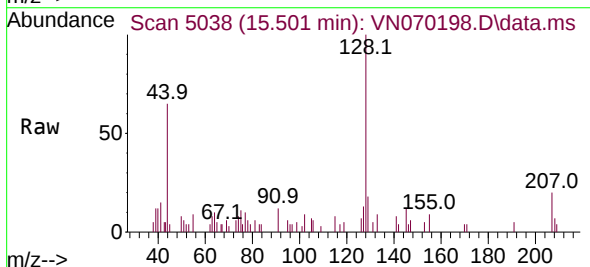
RT: 15.501 min Scan# 5038

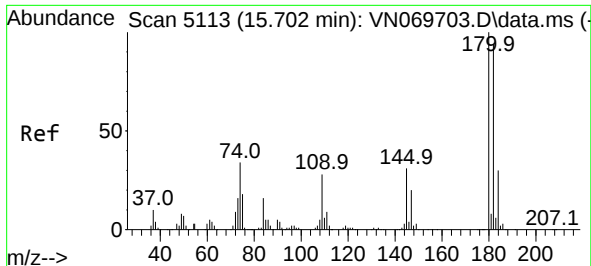
Delta R.T. -0.006 min

Lab File: VN070198.D

Acq: 18 Dec 2021 6:40

Tgt Ion:128 Resp: 6053
 Ion Ratio Lower Upper
 128 100
 127 12.1 10.5 15.7
 129 0.0 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 2.472 ug/l

RT: 15.702 min Scan# 51

Delta R.T. 0.000 min

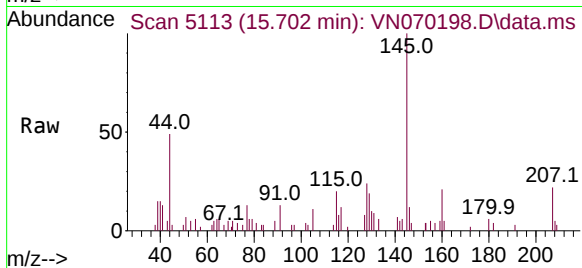
Lab File: VN070198.D

Acq: 18 Dec 2021 6:40

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 661

Ion Ratio Lower Upper

180 100

182 72.9 47.4 142.2

145 0.0 15.0 45.1#

